302 Stereo Integrated Amplifier

Date of manufacture : Apr 93 - Dec 96

Please note that this document contains the text from the original product brochure, and some technical statements may now be out of date

Because our engineers put sound quality first, the budget NAD 302 was voted European Amplifier of the Year 1993194 and also a Hi Fi Choice 'Best Buy'. The 302 is modestly rated at 25 watts per channel into 8 ohms, but effortlessly handles peaks of 75 watts.

Tone Defeat allows you to switch out the tone control circuitry for a more direct signal path. Important fine detailing like the low noise phono pre-amp, seperate px and power amplifier sections (for future upgrading) and heavy duty loudspeaker binding posts all add up to make a fine sounding, easy to use and hugely successful amplifier.

PRE-AMP SECTION

Phono input		
Input impedance *(R and C)*		47kΩ / 200pF
Input sensitivity, 1kHz	MM	2.7mV ref. 0.5V
Signal/Noise ratio *(A-weighted with cartridge connected)*	MM	77dB ref. 5mV
THD *(20Hz - 20kHz)*		<0.1%
RIAA response accuracy *(20Hz - 20kHz)*		±0.5dB
Line level inputs		
Input impedance *(R and C)*		20kΩ / 500pF
Input sensitivity *(ref. 1W)*		165mV
Maximum input signal		<10V
Signal/Noise ratio *(A-weighted ref 1W)*		90dB
Frequency response		20Hz - 20kHz / ±0.5dB
Line level outputs		
Output impedance	Pre-amp	220Ω
	Tape	Source Z + 2kΩ
	Phones	220Ω
Maximum output level	Pre-amp	>12V
	Tape	>10V
	Phones	>10V into 600Ω
		>500mV into 8Ω
Tone controls		
Treble		±7dB at 10kHz
Bass		±10dB at 50Hz

POWER AMP SECTION

Continuous output power into 8Ω *		25W (14dBW)
Rated distortion *(THD 20Hz - 20kHz)*		0.03%
Clipping power *(maximum continuous power per channel)*		40W
IHF Dynamic headroom at 8Ω		+4dB
IHF dynamic power *(maximum short term power per channel)*	8Ω	50W (17dBW)
	4Ω	60W (17.8dBW)
	2Ω	75W (18.7dBW)
Damping factor *(ref. 8Ω, 50Hz)*		>60
Input impedance		20kΩ / 820pF
Input sensitivity *(for rated power into 8Ω)*		1V
Frequency response		20Hz - 20kHz / ±0.3dB
Signal/noise ratio	ref. 1W	102dB
	ref. rated power	116dB
THD *(20Hz - 20kHz)*		<0.03%
Remote		No
NAD Link		No

PHYSICAL SPECIFICATIONS

Dimensions (W x H x D)	420 x 108 x 320mm
Net weight	6.0kg
Shipping weight	7.4kg

* Minimum power per chnnel, 20Hz - 20kHz, both channels driven with no more than rated distiortion.

Dimensions are of unit's cabinet without attached feet; add up to 18mm for total height.

Dimension depth excludes terminals, sockets, controls and buttons.

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